DOE F 1325.8

United States Government **Department of Energy (DOE)**

memorandum

Savannah River Operations Office (SR)

DATE: JAN 0 8 2007

REPLY TO ATTN OF: EQMD (Danker, 803/952-8603)

SUBJECT: Annual National Environmental Policy Act (NEPA) Planning Summary for DOE Savannah River Site (SRS)

TO: David R. Hill, General Counsel (GC-1), HQ

Attached is the 2007 DOE-SRS NEPA Planning Summary, as required by DOE Order 451.1B, NEPA Compliance Program. The planning summary has been coordinated with the National Nuclear Security Administration at SRS that includes the SRS Office and Fissile Materials Disposition Office. The availability of this planning summary will be announced to the public through the *SRS Environmental Bulletin.*

If you have questions, please contact me or your staff may contact Andrew R. Grainger, DOE-SRS NEPA Compliance Officer, at (803) 952-8001 or Steve Danker at (803) 952-8603.

Jeffrey M. Allison
Manager

EQMD:SAD:sl

OESH-07-0035

Attachment:
DOE-SRS 2007 NEPA Planning Summary

cc w/attch:
Inés R. Triay (EM-3), HQ
F. Marcinowski (EM-10), HQ
S. Frank (EM-11), HQ
P. Fountain (EM-3.2), HQ

JAN 2 2 2007

Attachment: Memo, Allison to Hill, Annual National NEPA Planning Summary for DOE-SRS, dated:

JAN 0 8 2007

Annual NEPA Planning Summary Environmental Assessments (EAs) Expected to be Prepared in the Next 12 Months

Department of Energy-Savannah River Site (SRS)

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)		Description
EA for Replacement Source of Steam for D Area at SRS (DOE/EA-xxxx)	$20,000	Determination Date: Transmittal to State: EA Approval: FONSI:	Jul-07 uncertain uncertain uncertain	DOE is proposing to replace the over-capacity 484-D Powerhouse, a 50 year old co-generation coal-fired facility which supplies steam to the 200-Areas of the Savannah River Site (SRS), with a new system having controls capable of meeting the new emission standards and appropriately sized to meet current and projected demands for operating facilities located in the waste treatment and nuclear materials processing and/or storage areas of the site. The projected average and winter peak steam demands for the proposed facility are approximately 115,000 and 200,000 pounds per hour, respectively. The boiler type and location of new facility have not yet been determined. It is proposed that the subject facility be replaced through an Energy Savings Performance Contract (ESPC) between the DOE and a qualified Energy Savings Contractor (ESCO). The ESCO will give consideration to the use of alternative fuels (e.g., biomass and landfill gas) to power the replacement steam plant.
DOE-SRS is not preparing any programmatic EAs (PEAs), is not supporting the preparation of any PEAs, and does not anticipate initiating any PEAs in the next 12 months.				
	Total Estimated Cost			
	$20,000			

* Please include projected NEPA milestones, if planned.

Annual NEPA Planning Summary Environmental Impact Statements (EISs) and Supplement Analyses (SAs) Expected to be Prepared in the Next 24 Months

Department of Energy (DOE)-Savannah River Site (SRS)

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule		Description
DOE-SRS is not preparing any EISs or programmatic EISs (PEISs) and does not anticipate initiating any EISs or PEISs in the next 24 months.		Determination Date:		
		notice of intent (NOI):		
		Scoping:		
		Draft		
		Hearings		
		Final		
		record of decision (ROD)		
		Determination Date:		
		NOI:		
		Scoping:		
		Draft		
		Hearings		
		Final		
		ROD		
Supplement Analysis, Highly Enriched Uranium and Spent Nuclear Fuel Management (DOE/EIS-xxxx-SAx)		Supplement Analysis:		DOE will prepare a Supplement Analysis to summarize the environmental impacts of the continued operation of H-Canyon and associated facilities to prepare HEU, and HEU recovered from spent nuclear fuel, for disposition. DOE would continue to use the H-Canyon facility to process SNF and HEU materials and blend the HEU down to LEU for use as feedstock for fabrication of commercial nuclear fuel. The SA would also evaluate the impacts of the SRS - INL fuel swap.
		Determination Date:	Oct-06	
	$40,000	Approval:	Jan-07	
Supplement Analysis, High-Level Waste Tank Closure at the Savannah River Site (DOE/EIS-0303-SA1)		Supplement Analysis:		If DOE decides to utilize an advanced cleaning technology for SRS HLW tanks, DOE may prepare a Supplement Analysis to provide more realistic estimates of the environmental impacts of tank closure activities described in the High-Level Waste Tank Closure EIS (DOE/EIS 0303).
		Determination Date:	2007	
	$20,000	Approval:	uncertain	
	Total Estimated Cost			
	$60,000			

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Assessments (EAs)

Department of Energy (DOE)-Savannah River Site (SRS)

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule		Description
EA for Closure Alternatives for Stormwater Outfalls at SRS (DOE/EA-1563)	$51,000	Determination Date: Transmittal to State: EA Approval: FONSI:	Feb-06 Jan-07 projected Mar-07 projected Mar-07 projected	The new stormwater permit for SRS requires minimizing selected pollutants (e.g., metals) in stormwater discharges from industrialized areas in order to meet applicable water quality criteria. Sampling of existing stormwater outfalls indicates that certain of these discharges present potential water quality problems. Various proposed and alternative actions are being considered by site management and outfall custodians to achieve permit compliance.
EA for the Tank Closure Demonstration Center (TCDC) at SRS (DOE/EA-1580)	$20,000	Determination Date: Transmittal to State: EA Approval: FONSI:	Nov-06 uncertain uncertain uncertain	DOE proposes to design, construct, and operate a new tank closure demonstration facility at SRS for the purpose of demonstrating new technologies to perform specific Tank Farm operations including bulk waste removal, heel removal, annulus cleaning, and tank closure. The TCDC would consist of an open-top tank to simulate an actual SRS waste tank (approximately 85 feet in diameter by 12 feet deep, steel sided with a concrete bottom, partial annulus, built above grade, and capability to install equipment such as cooling coils and tank support columns in order to simulate actual waste tank conditions). A primary steel bridge superstructure would span the open tank to provide support for waste removal equipment. Stairways would be provided for access to the superstructure platforms. Access to the tank bottom for tank inspection, simulant removal, equipment instrumentation, or maintenance purposes would be provided. The EA schedule is uncertain due to scope revisions and funding issues.
DOE-SRS is not preparing any programmatic EAs (PEAs), is not supporting the preparation of any PEAs, and does not anticipate initiating any PEAs in the next 12 months.				
	Total Estimated Cost			
	$71,000			

* Please include projected NEPA milestones, if planned.

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Impact Statements (EISs) and Supplement Analyses (SAs)

Department of Energy (DOE)-Savannah River Site (SRS)

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)		Description
Stockpile Stewardship and Management Supplemental Programmatic EIS - Complex 2030 (DOE/EIS-0236-S4)		Determination Date:	Apr-06	The National Nuclear Security Administration (NNSA) will prepare a supplement to the Stockpile Stewardship and Management Programmatic EIS to address the environmental impact from the continued transformation of the nuclear weapons complex by implementing NNSA's vision of the complex as it would exist in 2030 - Complex 2030, as well as alternatives. The existing SRS tritium operations, including the Tritium Extraction Facility, would be part of the No Action alternative; that is, those operations would continue at SRS as part of Complex 2030. SRS would also be an alternative site for a Consolidated Plutonium Center for long-term research and development, surveillance, and manufacturing operations for a baseline capacity of 125 pits per year. A scoping meeting for the EIS was held on November 9, 2006, in North Augusta, SC. The Modern Pit Facility EIS was cancelled with the notice of intent to prepare the Complex 2030 EIS.
		NOI:	Oct-06	
		Scoping:	Nov-06	
		Draft		
		Hearings		
		Final		
	tbd	ROD		
Programmatic EIS for Disposition of Scrap Metals (DOE/EIS-0327)		Determination Date:	Jan-01	DOE will evaluate alternatives for disposition of DOE scrap metals that may have been in radiological areas. The disposition options to be analyzed include continuation of the suspension on unrestricted release of metals for recycling, unrestricted release of scrap metals for recycling, and disposal. The NEPA review schedule is uncertain.
		NOI:	Jul-01	
		Scoping:	Oct-01	
		Draft	delayed	
		Hearings		
		Final	delayed	
	n/a	ROD	delayed	
Supplemental EIS, Plutonium Disposition at SRS (DOE/EIS-0283-S2)		Determination Date:	Aug-06	DOE will prepare a Supplemental EIS to address the environmental impacts of Surplus Plutonium Disposition at SRS. CD-1A, Selection of Vitrification as the Preferred Alternative for the Plutonium Disposition Project at the Savannah River Site, was approved by the Deputy Secretary of Energy on August 17, 2006. The proposed action is to establish the capability to disposition up to 13 metric tons of plutonium not suitable for the Mixed Oxide Fuel Fabrication Facility. The preferred alternative is Can-in Canister Vitrification.
		NOI:	Dec-06	
		Scoping:	Jan-07	
		Draft	Dec-07	
		Hearings	Jan-08	
		Final	Jul-08	
	$600,000	ROD	uncertain	

* Please include projected NEPA milestones, if planned.

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Impact Statements (EISs) and Supplement Analyses (SAs) (cont.)

Department of Energy (DOE)-Savannah River Site (SRS)
Jan-07

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)		Description
Programmatic EIS for the Global Nuclear Energy Partnership (GNEP) DOE/EIS-0396		Determination Date:	Mar-06	DOE will evaluate technologies that would change the way spent nuclear fuel from commercial light-water power reactors is managed. Domestically, GNEP involves a programmatic proposal as well as project-specific proposals. The programmatic proposal is to begin to recycle spent fuel and destroy the long-lived radioactive components of that spent fuel. Toward this end, GNEP includes project-specific proposals to construct and operate three facilities. The proposed nuclear fuel recycling center would separate the spent nuclear fuel (SNF) into its reusable and waste components and manufacture new nuclear fuel using reusable components that still have the potential for use in nuclear power generation. The proposed advanced recycling reactor would destroy long-lived radioactive elements in the fuel while generating electricity. The advanced fuel cycle research facility would perform research into SNF recycling processes and other aspects of advanced nuclear fuel cycles. The GNEP PEIS will consider 13 sites as possible locations for one or more of these facilities, as well as alternative technologies to be used in these facilities. Internationally, GNEP involves two programmatic initiatives. First the U.S. would cooperate with countries that have advanced nuclear programs to supply nuclear fuel services to countries that refrain from pursuing enrichment or recycling facilities to make their own nuclear fuel. Such countries would have no need to develop the technology and infrastructure to enrich uranium or separate plutonium, both of which have application in the production of nuclear weapons. Second, the U.S. would promote proliferation-resistant, modular power reactors suitable for use in developing economies.
		Advance NOI:	Mar-06	
		Scoping:		
		Draft		
		Hearings		
		Final		
	tbd	ROD	Jun-08	
Supplement Analysis, Storage of Surplus Plutonium Materials at SRS (DOE/EIS-0283-SA3)		Determination Date:	Jun-02	DOE will prepare a Supplement Analysis to address the environmental impacts of consolidated storage of surplus, non-pit plutonium materials currently stored at Hanford, LLNL, and LANL at the K-Area Complex at SRS.
		NOI:	n/a	
		Scoping:	n/a	
		Draft	n/a	
		Hearings	n/a	
		Final	Mar-07	
	$50,000	ROD	Mar-07	
	Total Estimated Cost			
	$650,000			

* Please include projected NEPA milestones, if planned.